National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL AND CHEMICAL LABORATORY (WOLKEM INDIA LIMITED), E-101-102, MEWAR INDUSTRIAL AREA, MADRI, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 26/12/2022 to 25/12/2024 **Last Amended on** 31/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	E. coli	IS 1622
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Faecal Streptococci	IS 1622
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Feacal Coliform	IS 1622
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Total Coliforms	IS 1622
5	BIOLOGICAL- WATER	Bore-well water, potable water, RO water ,Tap Water	Coliform Bacteria	IS 15185
6	BIOLOGICAL- WATER	Bore-well water, potable water, RO water ,Tap Water	E.coli	IS 15185
7	BIOLOGICAL- WATER	Bore-well water, potable water, RO water ,Tap Water	Faecal Coliforms	IS 1622
8	BIOLOGICAL- WATER	Bore-well water, potable water, RO water ,Tap Water	Faecal Streptococci	IS 1622
9	BIOLOGICAL- WATER	Bore-well water, potable water, RO water ,Tap Water	Standard Plate Count	IS 1622
10	BIOLOGICAL- WATER	Cooling Tower Water	E.coli	IS 1622
11	BIOLOGICAL- WATER	Cooling Tower Water	Total Coliform Bacteria	IS 1622
12	BIOLOGICAL- WATER	Ground Water/ Surface Water	E .coli	IS 1622
13	BIOLOGICAL- WATER	Ground Water/ Surface Water	Faecal Coliforms	IS 1622
14	BIOLOGICAL- WATER	Ground Water/Surface Water	Coliform Bacteria	IS 1622
15	BIOLOGICAL- WATER	Water For Swimming Pool and Spa	Coliform Bacteria	IS 1622
16	BIOLOGICAL- WATER	Water For Swimming Pool and Spa	E.coli	IS 1622
17	BIOLOGICAL- WATER	Water For Swimming Pool and Spa	Faecal Coliforms	IS 1622
18	BIOLOGICAL- WATER	Water For Swimming Pool and Spa	Faecal Streptococci	IS 1622
19	BIOLOGICAL- WATER	Water For Swimming Pool and Spa	Standard Plate Count	IS 3328
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	CPCB manual & 401- Method Air sampling & analysis, 3rd edition
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Cadmium	EPA/625/R-96/010 a Compendium method IO-3.1&3.2: 1999
22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Carbon Disulphide	IS 5182 (Part-20)

SCOPE OF ACCREDITATION

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
23	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Chlorine	IS 5182 (Part-19)
24	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Chromium	EPA/625/R-96/010 a Compendium method IO-3.1&3.2: 1999
25	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Copper	EPA/625/R-96/010 a Compendium method IO-3.1&3.2: 1999
26	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Fluorides	IS: 5182 (Part 13)
27	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Formaldehyde	AWMA-116
28	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Hydrogen Sulphide (As H2S)	IS 5182 (Part -7)
29	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS 5182, (Part 22)
30	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	CPCB guidelines 1988; ASTM D 4185
31	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen (NO2)	IS:5182 (Part 6)
32	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part 9)
33	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matters (size less than 10 µm) or PM10 µg/m3	IS:5182 (Part 23)
34	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matters (size less than 2.5 µm) or PM 2.5 µg/m3	WIL/SOP No. 10/25 issue date 01:05
35	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Relative Humidity	WIL/SOP No.22/25, Issue date:01:05
36	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS:5182 (Part II)
37	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Temperature	WIL/SOP No.22/25, Issue date:01:05
38	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Total suspended particulate matter (TSPM)	IS 5182 (Part 4)
39	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Wind Direction	WIL/SOP No.22/25, Issue date:01:05
40	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Wind Speed	WIL/SOP No.22/25, Issue date:01:05

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
41	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Zinc	EPA/625/R-96/010 a Compendium method IO-3.1&3.2: 1999
42	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise Level	IS: 9989
43	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Cadmium	EPA/625/R-96/010 a Compendium method IO-3.1&3.2:
44	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Carbon disulphide	IS 5182 (Part-20)
45	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Chlorine	IS 5182 (Part-19)
46	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Chromium	EPA/625/R-96/010 a Compendium method IO-3.1&3.2:
47	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Copper	EPA/625/R-96/010 a Compendium method IO-3.1&3.2:
48	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Fluorides	IS: 5182 (Part 13)
49	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Hydrogen sulphide as H2S	IS 5182 (Part -7)
50	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Lead	S 5182, (Part 22)
51	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	NH3	CPCB manual & 401- Method Air sampling & analysis ,3rd edition
52	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Nickel	CPCB guidelines 1988; ASTM D 4185
53	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Oxides of Nitrogen (NO2)	IS:5182 (Part 6)
54	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Ozone	IS 5182 (Part 9)
55	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Particulate Matters (size less than 10 µm) or PM10 µg/m3	IS:5182 (Part 23)
56	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Particulate Matters (size less than 2.5 µm) or PM 2.5 µg/m3	WIL/SOP No. 10/25
57	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emission	Sulphur Dioxide (SO2	IS:5182 (Part II)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
58	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emmission	Total suspended particulate matter (TSPM)	IS 5182 (Part 4)
59	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive emssion	Formaldehyde	AWMA-116
60	CHEMICAL- ATMOSPHERIC POLLUTION	Noise-Source	Noise-DG Set	IS: 9989
61	CHEMICAL- ATMOSPHERIC POLLUTION	Noise-Source	Noise-Work Zone & Indoor Air	IS 9989
62	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia (NH3)	IS:11255 (Part 6)
63	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Antimony (as Sb)	US EPA Method No-29
64	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Arsenic (as As)	US EPA Method No-29
65	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Barium (as Ba)	US EPA Method No-29
66	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Cadmium (as Cd)	US EPA Method No-29
67	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Chromium (as Cr)	US EPA Method No-29
68	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Cobalt (as Co)	US EPA Method No-29
69	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Copper (as Cu)	US EPA Method No-29
70	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Lead (as Pb)	US EPA Method No-29
71	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Manganese (as Mn)	US EPA Method No-29
72	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Mercury (as Hg)	US EPA Method No-29
73	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nickel (as Ni)	US EPA Method No-29
74	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Selenium (as Se)	US EPA Method No-29
75	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Silver (as Ag)	US EPA Method No-29
76	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Zinc (as Zn)	US EPA Method No-29

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77	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission Monitoring	Fluoride	IS 11255 (Part 5)
78	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxides of Nitrogen NOX	IS 11255 (Part- 7)
79	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Particulate Matter	IS: 11255 (Part- 1)
80	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Sulphur Dioxide SO2	IS 11255 (Part- 2)
81	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Temperature	IS 11255 (Part- 3)
82	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Velocity	IS 11255 (Part- 3)
83	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	Aluminium as Al2O3	IS 2840
84	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	Brightness /colour reflectance	IS 505
85	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	Iron as Fe2O3	IS 2840
86	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	Calcium as CaO	IS 10429
87	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	Iron as Fe2O3	IS 10429
88	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	LOI	IS 10429
89	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	Magnesium as MgO	IS 10429
90	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	Moisture	IS 10429
91	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	pH	IS 1462
92	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	Silica as SiO2	IS 10429
93	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	Specific gravity	IS 10429
94	CHEMICAL- ORES & MINERALS	Aluminum ore /Bauxite	Aluminum as Al2O3	IS 2000 (part 3)
95	CHEMICAL- ORES & MINERALS	Aluminum ore /Bauxite	Iron as Fe2O3	IS 2000 (part 4)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
96	CHEMICAL- ORES & MINERALS	Aluminum ore /Bauxite	Loss on Ignition	IS 2000 (part 1)
97	CHEMICAL- ORES & MINERALS	Aluminum ore /Bauxite	Silica as SiO2	IS 2000 (part 2)
98	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Aluminum as Al2O3	IS 9749
99	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Calcium as CaO	IS 9749
100	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Iron as Fe	IS 9749
101	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Iron as Fe2O3	IS 9749
102	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Loss on Ignition as LOI	IS 9749
103	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Magnesium as MgO	IS 9749
104	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Potassium as K	IS 9749
105	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Potassium as K2O	IS 9749
106	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Silica (SiO2)	IS 9749
107	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Sodium as Na	IS 9749
108	CHEMICAL- ORES & MINERALS	Feldspar (Soda & Potash)	Sodium as Na2O	IS 9749
109	CHEMICAL- ORES & MINERALS	Feldspar(Soda and Potash)	Magnesium as MgO	IS 9749
110	CHEMICAL- ORES & MINERALS	High Silica Sand /Quartz /Allied Mineral	Potassium as K2O	IS 1917 (Part 2)
111	CHEMICAL- ORES & MINERALS	High Silica Sand /Quartz /Allied Mineral	Silica as SiO2	IS 1917 (Part- 3)
112	CHEMICAL- ORES & MINERALS	High Silica Sand /Quartz /Allied Mineral	Sodium as Na2O	IS 1917(Part- 2)
113	CHEMICAL- ORES & MINERALS	High Silica Sand /Quartz /Allied Minerals	LOI	IS 1917 (Part -1)
114	CHEMICAL- ORES & MINERALS	Iron ore	Aluminum as Al2O3	IS:1493 (part - 1)

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115	CHEMICAL- ORES & MINERALS	Iron ore	Iron as Fe	IS:1493 (part - 1)
116	CHEMICAL- ORES & MINERALS	Iron ore	Iron as Fe2O3	IS:1493 (part - 1)
117	CHEMICAL- ORES & MINERALS	Iron ore	Moisture	IS:1493 (part - 1)
118	CHEMICAL- ORES & MINERALS	Iron ore	Silica as SiO2	IS:1493 (part - 1)
119	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	LOI	IS 2840
120	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	Loss on Drying	IS 505
121	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	Mixed Oxide	IS 917
122	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	Oil absorption	IS 505
123	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	pH	IS : 505
124	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	Relative density	IS: 505
125	CHEMICAL- ORES & MINERALS	Light Kaolin & China Clay For Ceramic, Paint Industry	Titanium as TiO2	IS 2840
126	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	Aluminium as Al2O3	IS 1760 (Part - 3)
127	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	Bulk Density	IS 1462
128	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	Calcium as CaO	IS 1760 (Part - 3)
129	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	Calcium Carbonate (CaCO3)	WIL/Mineral/TP/124 issue no.01 dated
130	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	Iron as Fe2O3	IS 1760 (Part - 3)
131	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	LOI	IS 1760 (Part - 1)
132	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	Magnesium as MgO	IS 1760 (Part - 3)
133	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	Magnesium Carbonate (MgCO3)	WIL/Mineral/TP/124 issue no.01 dated

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134	CHEMICAL- ORES & MINERALS	Limestone ,Dolomite & Allied Minerals	Silica as SiO2	IS 1760 (Part - 2)
135	CHEMICAL- ORES & MINERALS	Rock Phosphate	Aluminum as Al2O3	IS 11224
136	CHEMICAL- ORES & MINERALS	Rock Phosphate	Chloride	IS 11224
137	CHEMICAL- ORES & MINERALS	Rock Phosphate	Iron as Fe2O3	IS 11224
138	CHEMICAL- ORES & MINERALS	Rock Phosphate	Loss on Ignition	IS 11224
139	CHEMICAL- ORES & MINERALS	Rock Phosphate	Mixed Oxide(Al2O3+ Fe2O3)	IS 11224
140	CHEMICAL- ORES & MINERALS	Rock Phosphate	Moisture	IS 11224
141	CHEMICAL- ORES & MINERALS	Rock Phosphate	Silica as SiO2	IS 11224
142	CHEMICAL- ORES & MINERALS	Rock Phosphate	Total Phosphates as P2O5	IS 11224
143	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	Aluminium as Al2O3	IS 10429
144	CHEMICAL- ORES & MINERALS	Talc /Talcum Powder	Bulk Density	IS 1462
145	CHEMICAL- ORES & MINERALS	Wollastonite	Iron as Fe2O3	WIL/Mineral/TP/121
146	CHEMICAL- ORES & MINERALS	Wollastonite and Allied Minreal	pH	IS:1462
147	CHEMICAL- ORES & MINERALS	Wollastonite and Allied Mineral	Calcium as CaO	WIL/Mineral/TP/123
148	CHEMICAL- ORES & MINERALS	wollastonite and Allied Mineral	LOI	WIL/Minreal/TP/119
149	CHEMICAL- ORES & MINERALS	Wollastonite and Allied Mineral	Magnesium as MgO	WIL/Mineral/TP/123
150	CHEMICAL- ORES & MINERALS	Wollastonite and Allied Mineral	Moisture	IS:10429
151	CHEMICAL- ORES & MINERALS	Wollastonite and Allied Mineral	Silica as SiO2	WIL/Mineral/TP/120
152	CHEMICAL- ORES & MINERALS	Wollastonite and Allied Mineral	Specific Gravity	IS 10429

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153	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Phosphorous (as P)	Testing Procedure DIRD SSD/GL/01, Page No. 56-60
154	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Phosphorous as PO4	Testing Procedure DIRD SSD/GL/01, Page No. 56-60
155	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Potassium (as K)	Testing Procedure DIRD SSD/GL/01, Page No. 61-65
156	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Potassium as K2O	esting Procedure DIRD SSD/GL/01, Page No. 61-65:
157	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Sodium (as Na)	Testing Procedure DIRD SSD/GL/01, Page NO. 66-70
158	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available sodium as Na2O	esting Procedure DIRD SSD/GL/01, Page NO. 66-70
159	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	IS 918
160	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cadmium	USEPA 3050B (AAS FLAME) Dec. 1996 Rev. 2
161	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium	USEPA 3050B (AAS FLAME) Rev. , 2 Dec.
162	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium Carbonate	IS 2720 (Part 23)
163	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Chromium	USEPA 3050B (AAS FLAME) Rev. , 2 Dec.
164	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Copper	USEPA 3050B (AAS FLAME) Dec. 1996 Rev. 2
165	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electrical conductivity	IS : 14767
166	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Iron	USEPA 3050B (AAS FLAME) Dec. 1996 Rev. 2
167	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Lead	USEPA 3050B (AAS FLAME) Dec. 1996 Rev. 2
168	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Magnesium	USEPA 3050B (AAS FLAME) Rev. , 2 Dec.
169	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Manganese	USEPA 3050B (AAS FLAME) Rev. 2 Dec.
170	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nickel	USEPA 3050B (AAS FLAME) Rev. , 2 Dec.
171	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon	IS 2720 (Part 22)

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172	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	IS : 2720 (part 22)
173	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS :2720 (Part – 26)
174	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Phosphate as P2O5	IS 11224
175	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium Absorption Ration (SAR)	SOP No.96/100 Issue date-29.05.
176	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sulphate	IS:2720 (part 27)
177	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Nitrogen (as N)	IS 14684
178	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Potassium (as K)	IS : 9497
179	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Potassium (as K2O)	IS : 9497
180	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Sodium (as Na)	IS : 9497
181	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Sodium (as Na2O)	IS : 9497
182	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total soluble solids	IS 2720 (Part 21)
183	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Zinc	USEPA 3050B (AAS FLAME) Dec. 1996 Rev. 2
184	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Aluminium (as Al)	USEPA 3050B
185	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Nitrogen	esting Procedure DIRD SSD/GL/01, Page No. 51-55
186	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cobalt (as Co)	USEPA ,3050 B
187	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture /Water content	Testing Procedure DIRD SSD/GL/01, Page No. 27-28
188	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Chloride	IS: 6925
189	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/ Sewage)	Ammonical Nitrogen as NH3-N	APHA 23rd Ed,4500 NH3-B
190	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent /Sewage)	Chlorine Demand	APHA 23rd Ed,2350B

SCOPE OF ACCREDITATION

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191	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent /Sewage)	Temperature	APHA 23rd Edition (2550 B)
192	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Ammoniacal nitrogen (As N)	APHA 23rd Edition ,4500 NH3-B
193	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Settleable Solid	APHA 23rd Ed,2540F
194	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Total Kjeldhal Nitrogen (As N)	APHA 23rd Edition ,4500 No3 B
195	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Acidity	APHA 23rd Edition ,2310 Page 2-33 to 36
196	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	BOD (Biochemical Oxygen Demand)	IS:3025 (Part 44)
197	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Boron	APHA 23rd Edition 4500-B-B
198	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Calcium (as Ca)	IS:3025 (Part 40)
199	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Chloranmines	IS: 3025 (Part 26)
200	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Chlorides (as Cl-)	IS:3025 (Part 32)
201	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	COD (Chemical Oxygen Demand)	IS:3025 (Part 58)
202	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Color	IS:3025 (Part 4)
203	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Dissolve oxygen (DO)	IS:3025 (Part 38)
204	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Electrical conductivity	IS:3025 (Part 14)
205	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Fixed solids	IS-3025 (Part 18)
206	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Fluoride (as F-)	APHA 23rd Edition ,4500 FD
207	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Free Ammonia	APHA 23rd Edition 4500-NH3-F
208	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Magnesium (as Mg)	IS:3025 (Part 46)
209	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Nitrates as N	APHA 23rd Edition ,4500 No3 B

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210	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Nitrates as NO3	APHA 23rd Edition ,4500 No3 B
211	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Odor	IS 3025 (Part- 5)
212	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Oil & Grease	IS:3025 (Part 39)
213	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	pH	IS:3025 (Part-11)
214	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Phosphate (as PO4)	IS:3025 (Part-31)
215	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Potassium (As K)	APHA, 23rd Edition, Part 3500-K (3-89 to 90)
216	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Residual Chlorine	IS:3025 (part 26) 1986 Reaff.
217	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Silica	APHA 23rd Edition 2017 , 4500 –Si02 Page 4- 175 to 177
218	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Sodium (As Na)	APHA, 23rd edition, Part 3500-Na (3-99 to 3-100)
219	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Sulphate (as SO4)	APHA 23rd Edition ,4500 So4 E
220	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Sulphide	APHA 23rd Edition ,4500 –S2- Page 4- 175 to 177
221	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Total Alkalinity (as CaCO3)	IS:3025 (Part 23) 1986 Reaff.
222	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Total dissolve solids	IS:3025 (Part 16) 1984 Reaff.
223	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Total hardness (as CaCO3)	IS:3025 (Part 21) 2009, Reaff.
224	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Total solids	IS:3025 (Part-16)
225	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Total suspended solids	IS:3025 (Part 17) 1984 Reaff.
226	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Turbidity	IS:3025 (Part 10) 1984 Reaff.
227	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water / Liquid Effluent	Volatile solids	IS-3025 (Part 18)
228	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Cadmium	USEPA method 1311

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229	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Copper	USEPA method 1311
230	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Iron	USEPA method 1311
231	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Lead	USEPA method 1311
232	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Zinc	USEPA method 1311
233	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Cadmium as Cd	APHA 23rd Ed,3111B
234	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Barium	APHA 23rd Ed,3111D
235	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Chromium –Hexavelent (as Cr6+)	APHA 23rd Ed 3500 -Cr B
236	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Copper (as Cu)	APHA 23rd Ed,3111B
237	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Iron (as Fe2+)	APHA 23rd Ed,3111B
238	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Lead as Pb	APHA 23rd Ed,3111B
239	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Mangenese as Mn	APHA 23rd Ed,3111B
240	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Total Chromium	APHA 23rd Ed,3111B
241	CHEMICAL- RESIDUES IN WATER	Ground water/ Surface water / Drinking water / Borewell water/ Potable water	Zinc as Zn	APHA 23rd Ed,3111B
242	CHEMICAL- RESIDUES IN WATER	Ground water/Surface water/ Drinking water/ Borewell water/ Potable water	Aluminum	APHA 23rd Ed,3111D
243	CHEMICAL- RESIDUES IN WATER	Ground water/Surface water/ Drinking water/ Borewell water/ Potable water	Antimony	APHA 23rd Ed,3111B
244	CHEMICAL- RESIDUES IN WATER	Ground water/Surface water/ Drinking water/ Borewell water/ Potable water	Arsenic	APHA 23rd Ed,3114C
245	CHEMICAL- RESIDUES IN WATER	Ground water/Surface water/ Drinking water/ Borewell water/ Potable water	Cobalt	APHA 23rd Ed,3111B,3-20
246	CHEMICAL- RESIDUES IN WATER	Ground water/Surface water/ Drinking water/ Borewell water/ Potable water	Mercury	APHA 23rd Ed,3112B
247	CHEMICAL- RESIDUES IN WATER	Ground water/Surface water/ Drinking water/ Borewell water/ Potable water	Selenium	APHA 23rd Ed,3111C

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248	CHEMICAL- RESIDUES IN WATER	Ground water/Surface water/ Drinking water/ Borewell water/ Potable water	Vanadium	APHA 23rd Ed,3111D
249	CHEMICAL- RESIDUES IN WATER	Waste water (Effluent /Sewage)	Antimony	APHA 23rd Ed,3111B
250	CHEMICAL- RESIDUES IN WATER	Waste water (Effluent /Sewage)	Arsenic	APHA 23rd Ed,3114C
251	CHEMICAL- RESIDUES IN WATER	Waste water (Effluent /Sewage)	Mercury	APHA 23rd Ed,3112B
252	CHEMICAL- RESIDUES IN WATER	Waste water (Effluent /Sewage)	Selenium	APHA 23rd Ed,3114C
253	CHEMICAL- RESIDUES IN WATER	Waste water (Effluent /Sewage)	Vanadium	APHA 23rd Ed,3111D
254	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Aluminum	APHA 23rd Ed,3111D
255	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Barium	APHA 23rd Ed,3111D
256	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Cadmium as Cd	APHA 23rd Ed,3111B
257	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Chromium–Hexavelent (as Cr6+)	APHA 23rd Ed 3500 -Cr
258	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Cobalt	APHA 23rd Ed,3111B,3-20
259	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Copper (as Cu)	APHA 23rd Ed,3111B
260	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Iron (as Fe2+)	APHA 23rd Ed,3111B
261	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Lead as Pb	APHA 23rd Ed,3111B
262	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Manganese as Mn	APHA 23rd Ed,3111B
263	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Nickel as Ni	APHA 23rd Ed,3111B
264	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Total Chromium	APHA 23rd Ed,3111B
265	CHEMICAL- RESIDUES IN WATER	Waste water / Liquid Effluent	Zinc as Zn	APHA 23rd Ed,3111B
266	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Acidity	APHA 23rd Edition ,2310 . Page 2-33 to 36.

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267	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	BOD (Biochemical Oxygen Demand)	IS:3025 (Part 44)
268	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Boron	APHA 23rd Edition ,4500-B-B
269	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Calcium (as Ca)	IS:3025 (Part 40)
270	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Chloranmines	IS 3025 (Part 26)
271	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Chlorides (as Cl-)	IS:3025 (Part 32)
272	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	COD (Chemical Oxygen Demand)	IS:3025 (Part 58)
273	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Color	IS:3025 (Part 4)
274	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Dissolve oxygen (DO)	IS:3025 (Part 38)
275	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Electrical conductivity	IS:3025 (Part 14)
276	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Fixed solids	IS-3025(Part 18)
277	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Fluoride (as F-)	APHA 23rd Edition, 4500 FD
278	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Free Ammonia	APHA 23rd Edition, 2017, 4500-NH3 C Page 4-116
279	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Magnesium (as Mg)	IS: 3025 (Part 46)
280	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Nitrates as N	APHA 23rd Edition, 4500 No3 B
281	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Nitrates as NO3	APHA 23rd Edition, 4500 No3 B
282	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Odor	IS 3025 (Part- 5)
283	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Oil & Grease	IS:3025 (Part 39)
284	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	pH	IS:3025 (Part-11)
285	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Phosphate (as PO4)	IS:3025 (Part-31)

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286	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Potassium (As K)	APHA, 23rd edition, Part 3500-K (3-89 to 3-90)
287	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Residual Chlorine	IS:3025 (part 26)
288	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Silica	APHA 23rd Edition, 4500 –Si02 Page 4- 175 to 177
289	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Sodium (As Na)	APHA, 23rd edition , Part 3500-Na (3-99 to 3-100)
290	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Sulphate (as SO4)	APHA 23rd Edition, 4500 SO4 E
291	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Sulphide	APHA 23rd Edition, 4500 –S2- Page 4- 181 to 183
292	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Total Alkalinity (as CaCo3)	IS:3025 (Part 23)
293	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Total dissolve solids	IS:3025 (Part 16)
294	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Total hardness (as CaCo3)	IS:3025 (Part 21)
295	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Total solids	IS:3025 (Part-16)
296	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Total suspended solids	IS:3025 (Part 17)
297	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Turbidity	IS:3025 (Part 10)
298	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Volatile solids	IS-3025 (Part 18)
299	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Ammonical Nitrogen	APHA 23rd Edition 4500-NH3-B
300	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Ammonical Nitrogen as NH3-N	APHA 23rd Edition, 4500 -NH3-B
301	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Chlorine Demand	APHA 23rd Ed,2350B
302	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Settleable Solid	APHA 23rd Ed,2540F
303	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Taste	IS 3025 (Part-8)
304	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Temperature	APHA 23rd Ed,2550B

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305	CHEMICAL- WATER	Ground water / Drinking water / Borewell water/ Potable water	Total Kjeldahl Nitrogen as N	APHA 23rd Edition 4500
306	CHEMICAL- WATER	Surface water	Total suspended solids	IS:3025 (Part 17)
307	CHEMICAL- WATER	Surface water	Acidity	APHA 23rd Edition ,2310 . Page 2-33 to 36
308	CHEMICAL- WATER	Surface water	Ammonical Nitrogen	APHA 23rd Edition 4500-NH3-B
309	CHEMICAL- WATER	Surface water	Ammonical Nitrogen as NH3-N	APHA 23rd Edition 4500-NH3-B
310	CHEMICAL- WATER	Surface Water	BOD (Biochemical Oxygen Demand)	IS:3025 (Part 44)
311	CHEMICAL- WATER	Surface Water	Boron	APHA 4500-B-B
312	CHEMICAL- WATER	Surface Water	Calcium (as Ca)	IS:3025 (Part 40)
313	CHEMICAL- WATER	Surface water	Chloranmines	IS 3025 (Part 26)
314	CHEMICAL- WATER	Surface water	Chlorides (as Cl-)	IS:3025 (Part 32)
315	CHEMICAL- WATER	Surface Water	Chlorine Demand	APHA 23rd Ed,2350B
316	CHEMICAL- WATER	Surface Water	COD (Chemical Oxygen Demand)	IS 3025 (Part 58)
317	CHEMICAL- WATER	Surface water	Color	IS 3025 (Part 4)
318	CHEMICAL- WATER	Surface Water	Dissolve oxygen (DO)	IS:3025 (Part 38)
319	CHEMICAL- WATER	Surface Water	Electrical conductivity	IS:3025 (Part 14)
320	CHEMICAL- WATER	Surface water	Fixed solids	IS-3025(Part 18)
321	CHEMICAL- WATER	Surface water	Fluoride (as F-)	APHA 23rd Edition, 4500 F D
322	CHEMICAL- WATER	Surface water	Free Ammonia	APHA 23rd Edition, 2017, 4500-NH3 C Page 4-116
323	CHEMICAL- WATER	Surface Water	Magnesium (as Mg)	IS:3025 (Part 46)
324	CHEMICAL- WATER	Surface Water	Nitrates as N	APHA 23rd Edition, 4500 NO3 B
325	CHEMICAL- WATER	Surface Water	Nitrates as NO3	APHA 23rd Edition, 4500 NO3 B
326	CHEMICAL- WATER	Surface water	Odor	IS 3025 (Part- 5)
327	CHEMICAL- WATER	Surface water	Oil & Grease	IS:3025 (Part 39)
328	CHEMICAL- WATER	Surface Water	pH	IS:3025 (Part- 11)
329	CHEMICAL- WATER	Surface Water	Phosphate (as PO4)	IS:3025 (Part-31)
330	CHEMICAL- WATER	Surface Water	Potassium (As K)	APHA, 23rd edition, Part 3500-K (3-89 to 3-90).
331	CHEMICAL- WATER	Surface Water	Residual Chlorine	IS:3025 (part 26)

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332	CHEMICAL- WATER	Surface water	Settleable Solid	APHA 23rd Ed,2540F
333	CHEMICAL- WATER	Surface water	Silica	APHA 23rd Edition, 4500 –Si02 Page 4- 175 to 177
334	CHEMICAL- WATER	Surface Water	Sodium (As Na)	APHA, 223rd edition, Part 3500-Na (3-99 to 3-100)
335	CHEMICAL- WATER	Surface water	Sulphate (as SO4)	APHA 23rd Edition, 4500 SO4 E
336	CHEMICAL- WATER	Surface water	Sulphide	APHA 23rd Edition, 4500 –S2- Page 4- 181 to 183
337	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Ed,2550B
338	CHEMICAL- WATER	Surface Water	Total Alkalinity (as CaCO3)	IS:3025 (Part 23)
339	CHEMICAL- WATER	Surface water	Total dissolve solids	IS:3025 (Part 16)
340	CHEMICAL- WATER	Surface Water	Total hardness (as CaCO3)	IS:3025 (Part 21)
341	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen as N	APHA 23rd Edition 4500
342	CHEMICAL- WATER	Surface Water	Total solids	IS:3025 (Part-16)
343	CHEMICAL- WATER	Surface water	Turbidity	IS:3025 (Part 10)
344	CHEMICAL- WATER	Surface water	Volatile solids	IS-3025 (Part 18)